

GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: August 24, 2005, 15:27:55 ; Search time 0.001 Seconds  
(without alignments)  
910.328 Million cell updates/sec

Title: US-09-997-641-387  
Perfect score: 1102  
Sequence: 1 MLMILFPLVTAIHAELCOPG.....ENGIPSDPLDMKGGILMMP 212

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 20 seqs, 4294 residues

Total number of hits satisfying chosen parameters: 20

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 30 summaries

Database : targetseq:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1073	97.4	222	1 abr01796	TOIG of: abr0179
2	1073	97.4	222	1 ada11613	TOIG of: ada1161
3	1073	97.4	222	1 ada40837	TOIG of: ada4083
4	1073	97.4	222	1 ada56598	TOIG of: ada5659
5	1073	97.4	222	1 add37902	TOIG of: add3790
6	1073	97.4	222	1 abr01796	TOIG of: abr0179
7	1073	97.4	222	1 ada11613	TOIG of: ada1161
8	1073	97.4	222	1 ada40837	TOIG of: ada4083
9	1073	97.4	222	1 ada56598	TOIG of: ada5659
10	1073	97.4	222	1 add37902	TOIG of: add3790
11	1070	97.1	222	1 aaw29670	TOIG of: aaw2967
12	1070	97.1	222	1 aaw29670	TOIG of: aaw2967
13	1066	96.7	222	1 ade11757	TOIG of: ade1175
14	1066	96.7	222	1 ade11757	TOIG of: ade1175
15	1066	96.7	223	1 aay76135	TOIG of: aay7613
16	1066	96.7	223	1 aay76135	TOIG of: aay7613
17	1048	95.1	222	1 aay04156	TOIG of: aay0415
18	1048	95.1	222	1 aay04156	TOIG of: aay0415
19	31.5	2.9	148	1 aab88580	TOIG of: aab8858
20	31.5	2.9	148	1 aab88580	TOIG of: aab8858

ALIGNMENTS

RESULT 1  
abr01796  
; TOIG of: abr01796 check: 7328 from: 1 to: 222  
; ID ABR01796 standard; protein; 222 AA.  
; XX  
; AC ABR01796;  
; XX

DT 19-MAY-2003 (first entry)  
; XX  
; DE Human cancer-related protein, 156P1d4.  
; XX  
; KW Human; cytostatic; vaccine; cancer; immune response.  
; XX  
; OS Homo sapiens.  
; XX  
; PN WO200263921-A2.  
; XX  
; PD 24-OCT-2002.  
; XX  
; PF 10-APR-2002; 2002WO-US011654.  
; XX  
; PR 10-APR-2001; 2001US-0282739P.  
; PR 10-APR-2001; 2001US-0283112P.  
; PR 25-APR-2001; 2001US-0286630P.  
; XX  
; PA (AGEN-) AGENSYS INC.  
; XX  
; PI Jakobovits A, Challita-Eid PM, Faris M, Ge W, Hubert RS;  
; PI Morrison K, Morrison RK, Raitano AB;  
; XX  
; DR WPI; 2003-075555/07.  
; XX  
; DR N-PSDB; AB278127.  
; XX  
; PT New composition comprising a substance that modulates the structure of  
; PT proteins and polynucleotides, useful for therapeutic, prognostic and  
; PT diagnostic reagents for eliciting cellular or humoral immune response in  
; PT cancer patients.  
; XX  
; PS Claim 12; Fig 2G; 1021pp; English.  
; XX  
; CC The present invention relates to novel human cancer-related genes and  
; CC proteins (AB278120-AB278168 and ABR01789-ABR01861). The genes and  
; CC proteins are useful for eliciting a humoral or cellular immune response.  
; CC The genes are useful as probes and primers for the amplification and/or  
; CC detection of genes, mRNAs or their fragments, as reagents for the  
; CC diagnosis and/or prognosis of cancer, as coding sequences capable of  
; CC directing the expression of the protein, as tools for modulating or  
; CC inhibiting the expression of genes and/or translation of transcripts, and  
; CC as therapeutic agents. The proteins and peptides are useful as  
; CC therapeutic, prognostic and diagnostic reagents for cancer  
; SO Sequence 222 AA;  
; ABR01796 Length: 222 August 24, 2005 15:15 Type: P Check: 7328 ..  
abr01796  
Query Match 97.4%; Score 1073; DB 1; Length 222;  
Query Local Similarity 100.0%; Pred. No. 0;  
Matches 206; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MLMILFPLVTAIHAELCOPGAEAFKRLSIRALDGDKAYAWDTNBEYLFKAWAFSRRK 60  
Db 1 MLMILFPLVTAIHAELCOPGAEAFKRLSIRALDGDKAYAWDTNBEYLFKAWAFSRRK 60  
QY 61 VPPNREATEISHVLICNTQVRSFVFVTTDPSKXHTLPAYVQSAIRNKRINNAPFLND 120  
Db 61 VPPNREATEISHVLICNTQVRSFVFVTTDPSKXHTLPAYVQSAIRNKRINNAPFLND 120  
QY 121 QTLFEFLKIPSTLAPMDPSVPIWIIIFGVIFCTIIYVAIALIIISGIMQRRKKKEPSEVD 180  
Db 121 QTLFEFLKIPSTLAPMDPSVPIWIIIFGVIFCTIIYVAIALIIISGIMQRRKKKEPSEVD 180  
QY 181 DAEDKCEMNTIENGIPSDPLDMKGG 206  
Db 181 DAEDKCEMNTIENGIPSDPLDMKGG 206  
RESULT 2  
ada11613  
; TOIG of: ada11613 check: 7328 from: 1 to: 222

ADAI1613 standard; protein; 222 AA.  
ADAI1613;  
06-NOV-2003 (first entry)  
Human novel secreted protein, SEQ ID NO 141.  
cancer; inflammation; immune disorder; neurological disorder;  
blood clotting disorder; food additive; food preservative;  
storage capability; fat content; nutritional component; human;  
secreted protein.  
Homo sapiens.  
US2003055236-A1.  
20-MAR-2003.  
14-MAR-2002; 2002US-00097065.  
18-DEC-1997; 97US-0068006P.  
18-DEC-1997; 97US-0068007P.  
18-DEC-1997; 97US-0068008P.  
18-DEC-1997; 97US-0068053P.  
18-DEC-1997; 97US-0068054P.  
18-DEC-1997; 97US-0068057P.  
18-DEC-1997; 97US-0068064P.  
18-DEC-1997; 97US-0070923P.  
19-DEC-1997; 97US-0068169P.  
19-DEC-1997; 97US-0068365P.  
19-DEC-1997; 97US-0068367P.  
19-DEC-1997; 97US-0068368P.  
19-DEC-1997; 97US-0068369P.  
17-DEC-1998; 98WO-US027059.  
17-JUN-1999; 99US-00334595.  
(HUMA-) HUMAN GENOME SCI INC.  
Moore PA, Ruben SM, Carter KC, Shi Y, Rosen CA, Soppet DR;  
Kyra H, Wei Y, Florence KA, Duan DR, Florence C, Greene JM, Feng P;  
Fertie AM, Yu G, Janat F, Ni J;  
WPI; 2003-567105/53.  
N-PSDB; ADA11489.  
New secreted HKABT24 nucleic acid molecules and polypeptides, useful for  
preventing, treating, or ameliorating a medical condition, such as  
cancer, inflammation, immune disorders, neurological and blood clotting  
disorders.  
Claim 11; SEQ ID NO 141, 118bp; English.  
The invention relates to an isolated HKABT24 nucleic acid molecule. The  
polypeptides, nucleic acids and antibodies are useful for diagnosing a  
pathological condition or a susceptibility to a pathological condition,  
for preventing, treating, or ameliorating a medical condition, such as  
cancer, inflammation and other immune disorders, neurological and blood  
clotting disorders. The nucleic acids are also useful for chromosome  
identification, radiation hybrid mapping or long-range restriction  
mapping. The polypeptides and antibodies are useful for providing  
immunological probes for differential identification of the tissues  
immunohistochemistry assays. The polypeptide, polynucleotide, agonist or  
antagonist may also be used as a food additive or preservative to  
increase or decrease storage capabilities, fat content or other  
nutritional components. The present sequence represents the amino acid  
sequence of a novel human secreted protein. Note: The sequence data for  
this patent did not form part of the printed specification but was  
obtained in electronic format directly from USPTO at  
seqdata.uspto.gov.uk/sequence.html?DocID=20030055236.  
Sequence 222 AA;

ADAI1613 Length: 222 August 24, 2005 15:16 Type: P Check: 7328 ..  
ada1613  
Query Match 97.4%; Score 1073; DB 1; Length 222;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 206; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MLWLFPLVTAIAAEICOPGAENAFKRLSIRFALGDKAYAWDTNEYLFKAMVAFSMRK 60  
DB 1 MLWLFPLVTAIAAEICOPGAENAFKRLSIRFALGDKAYAWDTNEYLFKAMVAFSMRK 60  
QY 61 VPKREATEISHVLNCVTRQVSEFWFVTPDSKNHTLPAVEVOSAIRMNKRRINNAFELND 120  
DB 61 VPKREATEISHVLNCVTRQVSEFWFVTPDSKNHTLPAVEVOSAIRMNKRRINNAFELND 120  
QY 121 QTLERFKIPSTLAPPPDPSVPPIWIIIFGVIFCIIVAILLISGWORRRKKEPSEVD 180  
DB 121 QTLERFKIPSTLAPPPDPSVPPIWIIIFGVIFCIIVAILLISGWORRRKKEPSEVD 180  
QY 181 DAEDKCENMITTENGIPSDPLMKKG 206  
DB 181 DAEDKCENMITTENGIPSDPLMKKG 206  
RESULT 3  
ada40837  
TOIG of: ada40837 check: 7328 from: 1 to: 222  
ID ADA40837 standard; protein; 222 AA.  
XX ADA40837;  
AC  
PR 20-NOV-2003 (first entry)  
XX  
DT  
XX  
DE Human secreted protein.  
XX  
KW Human; secreted protein; cancer; hyperproliferative disorder;  
rheumatoid arthritis; autoimmune disorder; haematopoietic disorder;  
anaemia; allergic reaction; asthma; cardiovascular disorder;  
wound healing; cytostatic; immunosuppressive; nocotropic; neuroprotective;  
antiviral; antiallergic; hepatotropic; antidiabetic; antiinflammatory;  
vulnerable; cardiant; gene therapy.  
XX  
OS Homo sapiens.  
XX  
XX  
PN WO2002102993-A2.  
XX  
PD 27-DEC-2002.  
XX  
PF 19-MAR-2002; 2002WO-US008123.  
XX  
XX 21-MAR-2001; 2001US-0277340P.  
PR 19-JUL-2001; 2001US-0306171P.  
PR 13-NOV-2001; 2001US-0331287P.  
XX  
PA (HUMA-) HUMAN GENOME SCI INC.  
XX  
PI Rosen CA, Ruben SM,  
XX  
DR WPI; 2003-175238/17.  
XX  
PT New human secreted proteins and nucleic acid molecules, useful for  
preparing a diagnostic or pharmaceutical composition for diagnosing,  
preventing or treating cancer or other hyperproliferative disorder,  
asthma, allergies or AIDS.  
XX  
PS Claim 1; SEQ ID NO 1219; 3205bp; English.  
XX  
CC The invention relates to novel genes ADA39629-ADA40565 and proteins  
ADA40566-ADA41501 for human secreted proteins, useful for preventing,  
treating or ameliorating medical conditions e.g. by protein or gene  
therapy. The polypeptides, nucleic acid molecules, antibodies or their

fragments, and agonists or antagonists that bind to the polypeptide are useful for preparing a diagnostic or pharmaceutical composition for diagnosing or treating cancer or other hyperproliferative disorder. The polypeptides and nucleic acid molecules are also useful for detecting, preventing, diagnosing, prognosticating, treating or ameliorating cancer or other hyperproliferative disorders including neoplasms, autoimmune disorders (e.g. diabetes, rheumatoid arthritis, systemic lupus erythematosus, multiple sclerosis, autoimmune thyroiditis or haemolytic anaemia), haematopoietic or haematological disorders (e.g. anaemia, thrombocytopenia), allergic reactions including asthma or eczema, inflammatory disorders (e.g. ischaemia-reperfusion injury, inflammatory bowel disease or Crohn's disease), neurodegenerative disorders (e.g. Alzheimer's disease or Parkinson's disease), cardiovascular disorders (e.g. atherosclerosis, myocarditis), infectious diseases (bacterial, fungal or viral infections including HIV/AIDS), or wound healing and disorders of epithelial cell proliferation. The nucleic acids are also useful for chromosome identification, radiation hybrid mapping or long-range restriction mapping, as molecular weight markers, or as hybridization or diagnostic probes. The polypeptides and antibodies are useful for providing immunological probes for differential identification of the tissues immunohistochemistry assays. Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published\_pct\_sequences.

Sequence 222 AA;

ADA040837 Length: 222 August 24, 2005 15:15 Type: P Check: 7328 ..  
ada040837

Query Match 97.4%; Score 1073; DB 1; Length 222;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 206; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLMLFPLVTAIHAEIQCPGAENAFKVRSLIRALGDKAVAMDTNBEYLFKAVAFSMRK 60  
DB 1 MLMLFPLVTAIHAEIQCPGAENAFKVRSLIRALGDKAVAMDTNBEYLFKAVAFSMRK 60  
QY 61 VPRNEATEISHVLLCQVTSFVFWVTPDSKNTLPAYEVQSAIRNNKRNINNAFFLND 120  
DB 61 VPRNEATEISHVLLCQVTSFVFWVTPDSKNTLPAYEVQSAIRNNKRNINNAFFLND 120  
QY 121 QTFELFLKIPSTLAPMPDSVPVWIIIFGVICIIIVATLILSGIMORRRKNKEPSEVD 180  
DB 121 QTFELFLKIPSTLAPMPDSVPVWIIIFGVICIIIVATLILSGIMORRRKNKEPSEVD 180  
QY 181 DAEDKCEMNTIENGIPSDPLDMKG 206  
DB 181 DAEDKCEMNTIENGIPSDPLDMKG 206

RESULT 4

ada56986 check: 7328 from: 1 to: 222

ID ADA56986 standard; protein: 222 AA.

AC ADA56986;

DT 20-NOV-2003 (first entry)

DE Human secreted protein #269.

XX immunosuppressive; antiinflammatory; antiasthmatic; antiallergic;

KW cytotoxic; cerebroprotective; neuroprotective; nootropic;

KW cardiovascular; antiarteriosclerotic; gene therapy;

KW human secreted protein; immune disorder; inflammation;

KW respiratory disorder; cancer; CNS disorder; neurodegenerative disorders;

KW inflammatory bowel disease; nephritis; Crohn's disease; asthma; allergy;

KW multiple sclerosis; ischaemic brain injury; Parkinson's disease;

KW Alzheimer's disease; atherosclerosis; myocarditis; chromosome mapping;

KW triple helix formation; antisense gene therapy; forensic biology.

OS Homo sapiens.  
PN WO2002102994-A2.  
XX 27-DEC-2002.  
PD 19-MAR-2002; 2002WO-US008278.  
XX 21-MAR-2001; 2001US-0277340P.  
PR 19-JUL-2001; 2001US-0306171P.  
PR 13-NOV-2001; 2001US-0331287P.  
XX (HUMA-) HUMAN GENOME SCI INC.  
PI Rosen CA, Ruben SM;  
XX WPI, 2003-167512/16.  
DR N-PSDB; ADA56090.  
XX

Claim 13; SEQ ID NO 1176; 1754bp; English.

The invention relates to 592 new human secreted polypeptides useful for diagnosing, treating or preventing e.g. immune disorders, inflammatory conditions, respiratory disorders, cancers, CNS disorders, or neurodegenerative disorders, or polypeptides comprising an amino acid sequence at least 95% identical to the new sequences. The polypeptides, antibodies or antibody fragments that bind to the polypeptides, nucleic acids encoding the polypeptides, agonists or antagonists that binds to the polypeptide, are useful in preparing diagnostic or pharmaceutical compositions for diagnosing, treating or preventing an e.g. immune disorders, inflammatory conditions (e.g. inflammatory bowel disease, nephritis or Crohn's disease), respiratory disorders (e.g. asthma and allergy), cancers (e.g. gastric, ovarian or lung cancer), CNS disorders (e.g. multiple sclerosis or ischemic brain injury), neurodegenerative disorders (e.g. Parkinson's disease or Alzheimer's disease), and cardiovascular disorders (e.g. atherosclerosis or myocarditis). The polynucleotides are useful for chromosome identification, chromosome mapping, for controlling gene expression through triple helix formation or antisense DNA or RNA, in gene therapy, for identifying individuals from minute biological samples, in forensic biology, and as hybridization probes. The polypeptides are useful for as molecular weight markers on sodium dodecyl sulfate-polyacrylamide gel electrophoresis (SDS-PAGE) gels, to raise antibodies, for testing biological activities, and for treating or preventing neural disorders, immune system disorders, muscular, reproductive, gastrointestinal, pulmonary, cardiovascular, renal, proliferative and/or cancerous diseases. This sequence corresponds to one of the polypeptide of the invention. Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published\_pct\_sequences.

Sequence 222 AA;

ADA56986 Length: 222 August 24, 2005 15:15 Type: P Check: 7328 ..  
ada56986

Query Match 97.4%; Score 1073; DB 1; Length 222;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 206; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLMLFPLVTAIHAEIQCPGAENAFKVRSLIRALGDKAVAMDTNBEYLFKAVAFSMRK 60  
DB 1 MLMLFPLVTAIHAEIQCPGAENAFKVRSLIRALGDKAVAMDTNBEYLFKAVAFSMRK 60  
QY 61 VPRNEATEISHVLLCQVTSFVFWVTPDSKNTLPAYEVQSAIRNNKRNINNAFFLND 120  
DB 61 VPRNEATEISHVLLCQVTSFVFWVTPDSKNTLPAYEVQSAIRNNKRNINNAFFLND 120

```

QY      121 QTLFELKIPSTLAPMPDPSVPIWIIIFGVIFCIIIVAILLLSGIWQRRRKKEPSEVD 180
Db      121 QTLFELKIPSTLAPMPDPSVPIWIIIFGVIFCIIIVAILLLSGIWQRRRKKEPSEVD 180
QY      181 DAEDKCNMTTIENGISDPLDMKGG 206
Db      181 DAEDKCNMTTIENGISDPLDMKGG 206

RESULT 5
add37902
; TOIG of: add37902 check: 7328 from: 1 to: 222
; ID ADD37902 standard; protein; 222 AA.
; AC ADD37902;
; XX 15-JAN-2004 (first entry)
; DT
; XX Human secreted protein #85.
; DE
; XX Human secreted protein; Antiallergic; Antiinflammatory; Antibacterial;
; KW Anti-HIV; Cytostatic; Immunosuppressive; Hemostatic.
; PA Homo sapiens.
; OS
; XX WO200290526-A2.
; PN
; XX 14-NOV-2002.
; PD
; XX 19-MAR-2002; 2002WO-US008279.
; PE
; XX 21-MAR-2001; 2001US-0277340P.
; PR 19-JUL-2001; 2001US-0306171P.
; PR 13-NOV-2001; 2001US-0331287P.
; XX (HUMA-) HUMAN GENOME SCI INC.
; PA
; PI Rosen CA, Ruben SM;
; XX WPI; 2003-140218/13.
; DR
; XX New human secreted proteins and nucleic acid molecules, useful for
; PT preparing a diagnostic or pharmaceutical composition for diagnosing or
; PT treating allergic or asthmatic disorders, or related immediate
; PT hypersensitivity disorders.
; XX Claim 1; SEQ ID NO 384; 1323pp; English.
; PS
; XX The present invention relates to an isolated polypeptide or human
; CC secreted protein. The polypeptides, nucleic acid molecules, antibodies or
; CC their fragments, and agonists or antagonists that bind are useful for
; CC preparing a diagnostic or pharmaceutical composition for diagnosing or
; CC treating allergic or asthmatic disorders. The polypeptide is also useful
; CC for identifying a binding partner by contacting the polypeptide with a
; CC binding partner, and determining whether the binding partner increases or
; CC decreases the activity of the polypeptide. The polypeptides and nucleic
; CC acid molecules are also useful for detecting, preventing, diagnosing,
; CC prognosticating, treating or ameliorating inflammatory disorders
; CC neoplastic diseases, wound healing and disorders of epithelial cell
; CC proliferation, immune disorders, cardiovascular disorders, blood-related
; CC disorders, infectious diseases, endocrine disorders, or gastrointestinal
; CC disorders. The nucleic acids are also useful for chromosome
; CC identification, radiation hybrid mapping or long-range restriction
; CC mapping, as molecular weight markers, or as hybridization or diagnostic
; CC probes. The polypeptides and antibodies are useful for providing
; CC immunological probes for differential identification of the tissues
; CC immunohistochemistry assays. The present sequence represents a human
; CC secreted protein.
; XX Sequence 222 AA;
; SQ ADD37902 Length: 222 August 24, 2005 15:16 Type: P Check: 7328 ..

```

```

add37902
Query Match      97.4%; Score 1073; DB 1; Length 222;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 206; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 MMLFFLVTAIHAELCOGAENAFKVRLSIRTLGDKAYADTNEEYLFKAMVAFSMRK 60
Db      1 MMLFFLVTAIHAELCOGAENAFKVRLSIRTLGDKAYADTNEEYLFKAMVAFSMRK 60
QY      61 VPRREATEISHVLLCNVTQVRSFVFTDPSKXHTLPAYEVQSATFMNCRINNAFFLND 120
Db      61 VPRREATEISHVLLCNVTQVRSFVFTDPSKXHTLPAYEVQSATFMNCRINNAFFLND 120
QY      121 QTLFELKIPSTLAPMPDPSVPIWIIIFGVIFCIIIVAILLLSGIWQRRRKKEPSEVD 180
Db      121 QTLFELKIPSTLAPMPDPSVPIWIIIFGVIFCIIIVAILLLSGIWQRRRKKEPSEVD 180
QY      181 DAEDKCNMTTIENGISDPLDMKGG 206
Db      181 DAEDKCNMTTIENGISDPLDMKGG 206

RESULT 6
abr01796
; TOIG of: abr01796 check: 7328 from: 1 to: 222
; ID ABR01796 standard; protein; 222 AA.
; XX ABR01796;
; AC
; XX 19-MAY-2003 (first entry)
; DT
; XX Human cancer-related protein, 156P1D4.
; DE
; KW Human; cytostatic; vaccine; cancer; immune response.
; XX
; OS Homo sapiens.
; PN
; XX WO200283921-A2.
; PD
; XX 24-OCT-2002.
; PE
; XX 10-APR-2002; 2002WO-US011654.
; PR 10-APR-2001; 2001US-0282739P.
; PR 10-APR-2001; 2001US-0283112P.
; PR 25-APR-2001; 2001US-0286530P.
; XX (AGEN-) AGENSYS INC.
; PA
; XX Jakobovits A, Challita-Eid PM, Faris M, Ge W, Hubert RS;
; PI Morrison K, Morrison RK, Raitano AB;
; XX WPI; 2003-075555/07.
; DR
; XX N-PSDB; AB278127.
; PT
; XX New composition comprising a substance that modulates the structure of
; PT proteins and polynucleotides, useful for therapeutic, prognostic and
; PT diagnostic reagents for eliciting cellular or humoral immune response in
; PT cancer patients.
; XX Claim 12; Fig 2G; 1021pp; English.
; PS
; XX The present invention relates to novel human cancer-related genes and
; CC proteins (AB278120-AB278158 and ABR01789-ABR01861). The genes and
; CC proteins are useful for eliciting a humoral or cellular immune response.
; CC The genes are useful as probes and primers for the amplification and/or
; CC detection of genes, mRNAs or their fragments, as reagents for the
; CC diagnosis and/or prognosis of cancer, as coding sequences capable of
; CC directing the expression of the protein, as tools for modulating or
; CC inhibiting the expression of genes and/or translation of transcripts, and
; CC as therapeutic agents. The proteins and peptides are useful as

```

```

; CC therapeutic, prognostic and diagnostic reagents for cancer
; XX
; SQ Sequence 222 AA;
; ABR01796 Length: 222 August 24, 2005 15:15 Type: P Check: 7328 ..
; abr01796
Query Match          97.4%; Score 1073; DB 1; Length 222;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 206; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLWLFPLVTAIAHELCPGAENAFKVRLSIRALGDKAYAMDNEEYLFKAWAFSMRK 60
DB 1 MLWLFPLVTAIAHELCPGAENAFKVRLSIRALGDKAYAMDNEEYLFKAWAFSMRK 60
QY 61 VPRNREATEISHVLLCANTQVRSFVVTDPDSKHTLPAVEVQSAIRMNKRINNAFLND 120
DB 61 VPRNREATEISHVLLCANTQVRSFVVTDPDSKHTLPAVEVQSAIRMNKRINNAFLND 120
QY 121 QTLBFLKIPSTLAPPMDSVPVWIIIFGVIFCIIVAIALLISGIWQRRKKKEPSEVD 180
DB 121 QTLBFLKIPSTLAPPMDSVPVWIIIFGVIFCIIVAIALLISGIWQRRKKKEPSEVD 180
QY 181 DAEDKCNMTITENGIPSDPLDMKGG 206
DB 181 DAEDKCNMTITENGIPSDPLDMKGG 206

RESULT 7
ada11613
; TOIG of: ada11613 check: 7328 from: 1 to: 222
; ID ADA11613 standard; protein; 222 AA.
; XX
; AC ADA11613;
; DT 06-NOV-2003 (first entry)
; XX
; DE Human novel secreted protein, SEQ ID NO 141.
; XX
; KW cancer; inflammation; immune disorder; neurological disorder;
; KW blood clotting disorder; food additive; food preservative;
; KW storage capability; fat content; nutritional component; human;
; KW secreted protein.
; OS Homo sapiens.
; XX
; PN US2003055236-A1.
; XX
; PD 20-MAR-2003.
; XX
; PF 14-MAR-2002; 2002US-00097065.
; XX
; PR 18-DEC-1997; 97US-0068006P.
; PR 18-DEC-1997; 97US-0068007P.
; PR 18-DEC-1997; 97US-0068008P.
; PR 18-DEC-1997; 97US-0068053B.
; PR 18-DEC-1997; 97US-0068054P.
; PR 18-DEC-1997; 97US-0068057P.
; PR 18-DEC-1997; 97US-0068064P.
; PR 18-DEC-1997; 97US-0070923P.
; PR 18-DEC-1997; 97US-0068165P.
; PR 19-DEC-1997; 97US-0068365B.
; PR 19-DEC-1997; 97US-0068367P.
; PR 19-DEC-1997; 97US-0068368P.
; PR 19-DEC-1997; 97US-0068369P.
; PR 17-DEC-1998; 98WO-US027059.
; PR 17-JUN-1999; 99US-00334595.
; XX
; XX (HUMA-) HUMAN GENOME SCI INC.
; PA
; PI Moore PA, Ruben SM, Carter KC, Shi Y, Rosen CA, Soppet DR,
; PI Kyaw H, Wei Y, Florence KA, Duan DR, Florence C, Greene JM, Feng P;

```

```

; PI Ferrie AM, Yu G, Janat F, Ni U;
; XX
; DR WPI: 2003-567105/53.
; DR N-PSDB; ADA11489.
; XX
; PT New secreted HKABT24 nucleic acid molecules and polypeptides, useful for
; PT preventing, treating, or ameliorating a medical condition, such as
; PT cancer, inflammation, immune disorders, neurological and blood clotting
; PT disorders.
; XX
; PS Claim 11; SEQ ID NO 141; 118pp; English.
; XX
; CC The invention relates to an isolated HKABT24 nucleic acid molecule. The
; CC polypeptides, nucleic acids and antibodies are useful for diagnosing a
; CC pathological condition or a susceptibility to a pathological condition,
; CC for preventing, treating, or ameliorating a medical condition, such as
; CC cancer, inflammation and other immune disorders, neurological and blood
; CC clotting disorders. The nucleic acids are also useful for chromosome
; CC identification, radiation hybrid mapping or long-range restriction
; CC mapping. The polypeptides and antibodies are useful for providing
; CC immunological probes for differential identification of the tissues
; CC immunohistochemistry assays. The polypeptide, polynucleotide, agonist or
; CC antagonist may also be used as a food additive or preservative to
; CC increase or decrease storage capabilities, fat content or other
; CC nutritional components. The present sequence represents the amino acid
; CC sequence of a novel human secreted protein. Note: The sequence data for
; CC this patent did not form part of the printed specification but was
; CC obtained in electronic format directly from USPTO at
; CC seqdata.uspto.gov.uk/sequence.html?DocID=20030055236.
; XX
; SQ Sequence 222 AA;
; ID ADA11613 Length: 222 August 24, 2005 15:16 Type: P Check: 7328 ..
; ada11613
Query Match          97.4%; Score 1073; DB 1; Length 222;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 206; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLWLFPLVTAIAHELCPGAENAFKVRLSIRALGDKAYAMDNEEYLFKAWAFSMRK 60
DB 1 MLWLFPLVTAIAHELCPGAENAFKVRLSIRALGDKAYAMDNEEYLFKAWAFSMRK 60
QY 61 VPRNREATEISHVLLCANTQVRSFVVTDPDSKHTLPAVEVQSAIRMNKRINNAFLND 120
DB 61 VPRNREATEISHVLLCANTQVRSFVVTDPDSKHTLPAVEVQSAIRMNKRINNAFLND 120
QY 121 QTLBFLKIPSTLAPPMDSVPVWIIIFGVIFCIIVAIALLISGIWQRRKKKEPSEVD 180
DB 121 QTLBFLKIPSTLAPPMDSVPVWIIIFGVIFCIIVAIALLISGIWQRRKKKEPSEVD 180
QY 181 DAEDKCNMTITENGIPSDPLDMKGG 206
DB 181 DAEDKCNMTITENGIPSDPLDMKGG 206

RESULT 8
ada40837
; TOIG of: ada40837 check: 7328 from: 1 to: 222
; ID ADA40837 standard; protein; 222 AA.
; XX
; AC ADA40837;
; DT 20-NOV-2003 (first entry)
; XX
; DE Human secreted protein.
; XX
; KW Human; secreted protein; cancer; hyperproliferative disorder;
; KW rheumatoid arthritis; autoimmune disorder; haematopoietic disorder;
; KW anaemia; allergic reaction; asthma; cardiovascular disorder;
; KW wound healing; cytotoxic; immunosuppressive; nootropic; neuroprotective;
; KW antiviral; antiallergic; hepatotropic; antidiabetic; antiinflammatory;

```

```

/ KM vulnery; cardiac; gene therapy.
/ XX
/ OS Homo sapiens.
/ PN WO2002102393-A2.
/ XX
/ PD 27-DEC-2002.
/ XX
/ PF 19-MAR-2002; 2002WO-US008123.
/ XX
/ PR 21-MAR-2001; 2001US-0277340P.
/ PR 19-JUL-2001; 2001US-0306171P.
/ PR 13-NOV-2001; 2001US-0331287P.
/ PA (HUMA-) HUMAN GENOME SCI INC.
/ XX
/ PI Rosen CA, Ruben SM;
/ XX
/ DR WPI; 2003-175238/17.
/ XX
/ PT New human secreted proteins and nucleic acid molecules, useful for
/ PT preparing a diagnostic or pharmaceutical composition for diagnosing,
/ PT preventing or treating cancer or other hyperproliferative disorder,
/ PT asthma, allergies or AIDS.
/ PT
/ PS Claim 1; SEQ ID NO 1219; 3205pp; English.
/ XX
/ CC The invention relates to novel genes ADA39629-ADA40565 and proteins
/ CC ADA40566-ADA41501 for human secreted proteins, useful for preventing,
/ CC treating or ameliorating medical conditions e.g. by protein or gene
/ CC therapy. The polypeptides, nucleic acid molecules, antibodies or their
/ CC fragments, and agonists or antagonists that bind to the polypeptide are
/ CC useful for preparing a diagnostic or pharmaceutical composition for
/ CC diagnosing or treating cancer or other hyperproliferative disorder. The
/ CC polypeptides and nucleic acid molecules are also useful for detecting,
/ CC preventing, diagnosing, prognosticating, treating or ameliorating cancer
/ CC or other hyperproliferative disorders including neoplasms, autoimmune
/ CC disorders (e.g. diabetes, rheumatoid arthritis, systemic lupus
/ CC erythematosus, multiple sclerosis, autoimmune thyroiditis or haemolytic
/ CC anaemia), haematopoietic or haematological disorders (e.g. anaemia,
/ CC thrombocytopenia), allergic reactions including asthma or eczema,
/ CC inflammatory disorders (e.g. ischaemia-reperfusion injury, inflammatory
/ CC bowel disease or Crohn's disease), neurodegenerative disorders (e.g.
/ CC Alzheimer's disease or Parkinson's disease), cardiovascular disorders
/ CC (e.g. atherosclerosis, myocarditis), infectious diseases (bacterial,
/ CC fungal or viral infections including HIV/AIDS), or wound healing and
/ CC disorders of epithelial cell proliferation. The nucleic acids are also
/ CC useful for chromosome identification, radiation hybrid mapping or long-
/ CC range restriction mapping, as molecular weight markers, or as
/ CC hybridization or diagnostic probes. The polypeptides and antibodies are
/ CC useful for providing immunological probes for differential identification
/ CC of the tissues immunohistochemistry assays. Note: The sequence data for
/ CC this patent did not form part of the printed specification, but was
/ CC obtained in electronic format directly from WIPO at
/ CC ftp.wipo.int/pub/published_pct_sequences.
/ CC
/ XX Sequence 222 AA;
/ PS
/ ADADA0837 Length: 222 August 24, 2005 15:15 Type: P Check: 7328 ..
/ ad40837
/
/ Query Match 97.4%; Score 1073; DB 1; Length 222;
/ Best Local Similarity 100.0%; Pred. No. 0;
/ Matches 206; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

/ QY 121 QTELEFKIPSTLAPMDPSVPIWIIIFGVIFCIIVAAALLILSGWRRRNKEPSEVD 180
/ DB 121 QTELEFKIPSTLAPMDPSVPIWIIIFGVIFCIIVAAALLILSGWRRRNKEPSEVD 180
/ QY 181 DAEDKCEMMITTENGIPSPDLMDKGG 206
/ DB 181 DAEDKCEMMITTENGIPSPDLMDKGG 206
/
/ RESULT 9
/ ad456986
/ TOIG of: ad456986 check: 7328 from: 1 to: 222
/
/ ID ADA56986 standard; protein; 222 AA.
/ AC
/ ADADA56986;
/ DT 20-NOV-2003 (first entry)
/ DE
/ XX Human secreted protein #269.
/ KW immunosuppressive; antiinflammatory; antiasthmatic; antiallergic;
/ KW cytosaratic; cerebroprotective; neuroprotective; nootropic;
/ KW cardiovascular; antiarteriosclerotic; gene therapy;
/ KW human secreted protein; immune disorder; inflammation;
/ KW respiratory disorder; cancer; CNS disorder; neurodegenerative disorders;
/ KW inflammatory bowel disease; nephritis; Crohn's disease; asthma; allergy;
/ KW multiple sclerosis; ischaemic brain injury; Parkinson's disease;
/ KW Alzheimer's disease; atherosclerosis; myocarditis; chromosome mapping;
/ KW triple helix formation; antisense gene therapy; forensic biology.
/ KW
/ XX Homo sapiens.
/ XX
/ PD 27-DEC-2002.
/ PF
/ PR 19-MAR-2002; 2002WO-US008278.
/ PR 21-MAR-2001; 2001US-0277340P.
/ PR 19-JUL-2001; 2001US-0306171P.
/ PR 13-NOV-2001; 2001US-0331287P.
/ PA (HUMA-) HUMAN GENOME SCI INC.
/ XX
/ PI Rosen CA, Ruben SM;
/ XX
/ DR WPI; 2003-167512/16.
/ DR N-PSDB; ADA56090.
/ XX
/ PT New human secreted polypeptides and polynucleotides, useful for
/ PT diagnosing, treating or preventing e.g. immune disorders, inflammatory
/ PT conditions, respiratory disorders, cancers, CNS disorders, or
/ PT neurodegenerative disorders.
/ PT
/ PS Claim 13; SEQ ID NO 1176; 1754pp; English.
/ XX
/ CC The invention relates to 592 new human secreted polypeptides useful for
/ CC diagnosing, treating or preventing e.g. immune disorders, inflammatory
/ CC conditions, respiratory disorders, cancers, CNS disorders, or
/ CC neurodegenerative disorders, or polypeptides comprising an amino acid
/ CC sequence at least 95% identical to the new sequences. The polypeptides,
/ CC antibodies or antibody fragments that bind to the polypeptides, nucleic
/ CC acids encoding the polypeptides, agonists or antagonists that binds to
/ CC the polypeptide, are useful in preparing diagnostic or pharmaceutical
/ CC compositions for diagnosing, treating or preventing an e.g. immune
/ CC disorders, inflammatory conditions (e.g. inflammatory bowel disease,
/ CC nephritis or Crohn's disease), respiratory disorders (e.g. asthma and
/ CC allergy), cancers (e.g. gastric, ovarian or lung cancer), CNS disorders
/ CC (e.g. multiple sclerosis or ischaemic brain injury), neurodegenerative
/ CC disorders (e.g. Parkinson's disease or Alzheimer's disease), and
/ CC cardiovascular disorders (e.g. atherosclerosis or myocarditis). The
/ CC polynucleotides are useful for chromosome identification, chromosome

```

CC mapping, for controlling gene expression through triple helix formation  
CC or antisense DNA or RNA, in gene therapy, for identifying individuals  
CC from minute biological samples, in forensic biology, and as hybridization  
CC probes. The polypeptides are useful for as molecular weight markers on  
CC sodium dodecyl sulfate-polyacrylamide gel electrophoresis (SDS-PAGE)  
CC gels, to raise antibodies, for testing biological activities, and for  
CC treating or preventing neural disorders, immune system disorders,  
CC muscular, reproductive, gastrointestinal, pulmonary, cardiovascular,  
CC renal, proliferative and/or cancerous diseases. This sequence corresponds  
CC to one of the polypeptide of the invention. Note: The sequence data for  
CC this patent did form part of the printed specification, but was obtained  
CC in electronic format directly from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences.  
; XX

Sequence 222 AA;

ADAS6986 Length: 222 August 24, 2005 15:15 Type: P Check: 7328 ..  
adas6986

Query Match 97.4%; Score 1073; DB 1; Length 222;  
Best Local Similarity 100.0%; Pred. No. 0; Mismatches 0; Indels 0; Gaps 0;  
Matches 206; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLWLFLVTAIHAELCPGAEANAFKVRSLIRTLGDKAVAMDNEEYLFKAVAFSMRK 60  
Db 1 MLWLFLVTAIHAELCPGAEANAFKVRSLIRTLGDKAVAMDNEEYLFKAVAFSMRK 60  
QY 61 VPRREATEISHVLICNTQVRSFVFVTTDPSKNHTLPAVEVQSAIRNKKRINNAPFLND 120  
Db 61 VPRREATEISHVLICNTQVRSFVFVTTDPSKNHTLPAVEVQSAIRNKKRINNAPFLND 120  
QY 121 QTLFELKIPSTLAPPMDSVPVPIWIIIFGVIFCIIIVAILLISGIWQRRKKKEPSEVD 180  
Db 121 QTLFELKIPSTLAPPMDSVPVPIWIIIFGVIFCIIIVAILLISGIWQRRKKKEPSEVD 180  
QY 181 DAEDKCEMMITTENGIPSDPLDMKGG 206  
Db 181 DAEDKCEMMITTENGIPSDPLDMKGG 206

RESULT 10

add37902  
TOIG of: add37902 check: 7328 from: 1 to: 222

ID ADD37902 standard; protein; 222 AA.  
AC ADD37902;  
DT 15-JAN-2004 (first entry)  
XX Human secreted protein #85.  
DE Human secreted protein #85.  
XX human secreted protein; Antiallergic; Antiinflammatory; Antibacterial;  
KW Anti-HIV; Cytostatic; Immunosuppressive; Hemostatic.  
XX Homo sapiens.  
OS Homo sapiens.  
XX WO200290526-A2.  
EN 14-NOV-2002.  
PD 19-MAR-2002; 2002MO-US008279.  
PF 21-MAR-2001; 2001US-0277340P.  
PR 19-JUL-2001; 2001US-0306171P.  
PR 13-NOV-2001; 2001US-0331287P.  
XX (HUMA-) HUMAN GENOME SCI INC.  
XX Rosen CA, Ruben SM;  
XX WPI, 2003-140218/13.  
XX

PT New human secreted proteins and nucleic acid molecules, useful for  
PT preparing a diagnostic or pharmaceutical composition for diagnosing or  
PT treating allergic or autoimmune disorders, or related immediate  
PT hypersensitivity disorders.  
; PS

Claim 1; SEQ ID NO 384; 1323bp; English.

The present invention relates to an isolated polypeptide or human  
secreted protein. The polypeptides, nucleic acid molecules, antibodies or  
their fragments, and agonists or antagonists that bind are useful for  
preparing a diagnostic or pharmaceutical composition for diagnosing or  
treating allergic or autoimmune disorders. The polypeptide is also useful  
for identifying a binding partner by contacting the polypeptide with a  
binding partner, and determining whether the binding partner increases or  
decreases the activity of the polypeptide. The polypeptides and nucleic  
acid molecules are also useful for detecting, preventing, diagnosing,  
prognosticating, treating or ameliorating inflammatory disorders  
neoplastic diseases, wound healing and disorders of epithelial cell  
proliferation, immune disorders, cardiovascular disorders, blood-related  
disorders, infectious diseases, endocrine disorders, or gastrointestinal  
disorders. The nucleic acids are also useful for chromosome  
identification, radiation hybrid mapping or long-range restriction  
mapping, as molecular weight markers, or as hybridization or diagnostic  
probes. The polypeptides and antibodies are useful for providing  
immunological probes for differential identification of the tissues  
immunohistochemistry assays. The present sequence represents a human  
secreted protein.  
; XX

Sequence 222 AA;

ADD37902 Length: 222 August 24, 2005 15:16 Type: P Check: 7328 ..  
add37902

Query Match 97.4%; Score 1073; DB 1; Length 222;  
Best Local Similarity 100.0%; Pred. No. 0; Mismatches 0; Indels 0; Gaps 0;  
Matches 206; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLWLFLVTAIHAELCPGAEANAFKVRSLIRTLGDKAVAMDNEEYLFKAVAFSMRK 60  
Db 1 MLWLFLVTAIHAELCPGAEANAFKVRSLIRTLGDKAVAMDNEEYLFKAVAFSMRK 60  
QY 61 VPRREATEISHVLICNTQVRSFVFVTTDPSKNHTLPAVEVQSAIRNKKRINNAPFLND 120  
Db 61 VPRREATEISHVLICNTQVRSFVFVTTDPSKNHTLPAVEVQSAIRNKKRINNAPFLND 120  
QY 121 QTLFELKIPSTLAPPMDSVPVPIWIIIFGVIFCIIIVAILLISGIWQRRKKKEPSEVD 180  
Db 121 QTLFELKIPSTLAPPMDSVPVPIWIIIFGVIFCIIIVAILLISGIWQRRKKKEPSEVD 180  
QY 181 DAEDKCEMMITTENGIPSDPLDMKGG 206  
Db 181 DAEDKCEMMITTENGIPSDPLDMKGG 206

RESULT 11

aaw29670  
TOIG of: aaw29670 check: 7368 from: 1 to: 222

ID AAW29670 standard; protein; 222 AA.  
AC AAW29670;  
DT 09-NOV-1998 (first entry)  
XX Homo sapiens clone AM42\_3 secreted protein.  
DE Homo sapiens clone AM42\_3 secreted protein.  
XX Clone; secreted protein.  
KW Homo sapiens.  
OS Homo sapiens.  
XX Rosen CA, Ruben SM;  
XX WPI, 2003-140218/13.  
XX

Key Location/Qualifiers  
2..14  
Peptide /note="signal peptide"

```

/ XX      WO9832853-A2.
/ PN
/ XX      30-JUL-1998.
/ PD
/ XX      23-JAN-1998; 98WO-US001396.
/ EP
/ XX      24-JAN-1997; 97US-00788789.
/ PR
/ XX      (GENY ) GENETICS INST INC.
/ PA
/ XX      Jacobs K, Mccoy JM, Lavallic ER, Racie LA, Merberg D, Treacy M,
/ PI      Spaulding V, Agostino MJ;
/ XX      WPI; 1998-427949/36.
/ DR      N-PSDB; AAV40540.
/ XX
/ PT      New isolated polynucleotide(s) and secreted proteins - isolated from
/ PT      human foetal kidney, adult brain, adult salivary gland, foetal brain and
/ PT      adult testes cDNA libraries.
/ XX
/ PS      Claim 15; Page 65-66; 109pp; English.
/ CC      The sequence is that of a secreted protein. Such a protein can have
/ CC      biological activities, e.g. nutritional activity, cytokine and cell
/ CC      proliferation/differentiation activity, immune stimulating or suppressing
/ CC      activity, haematopoiesis regulating activity, tissue growth activity,
/ CC      activin/inhibin activity, chemotactic/chemokinetic activity, haemostatic
/ CC      and thrombolytic activity, receptor/ligand activity, anti-inflammatory
/ CC      activity, cadherin/tumour invasion suppressor activity, tumour inhibition
/ CC      activity, and other activities
/ CC
/ XX      SQ
/ SQ      Sequence 222 AA;
/ AAW29670 Length: 222 August 24, 2005 15:16 Type: P Check: 7368 ..
aaw29670

Query Match      97.1%; Score 1070; DB 1; Length 222;
Best Local Similarity 99.5%; Pred. No. 0;
Matches 205; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

/ QY      1 MMLLFFLVTAIHAELCQGAENAFKVRISIRLTALGDKAYAWDTNEEYLFKAMVAFSMRK 60
/ DB      1 MMLLFFLVTAIHAELCQGAENAFKVRISIRLTALGDKAYAWDTNEEYLFKAMVAFSMRK 60
/ QY      61 VVPRREATEISHVLNCVTVQSVFVFVTVDPSSKHHTLPAVEVOSAIRMNKRIINNAFFVND 120
/ DB      61 VVPRREATEISHVLNCVTVQSVFVFVTVDPSSKHHTLPAVEVOSAIRMNKRIINNAFFVND 120
/ QY      121 QTELEFLKIPSTLAPMPDPSVPIMIIIFGVIFCIITVAIALLLISGIWQRRRKKEPSEVD 180
/ DB      121 QTELEFLKIPSTLAPMPDPSVPIMIIIFGVIFCIITVAIALLLISGIWQRRRKKEPSEVD 180
/ QY      181 DAEDKCEMMITTENGIPSDPLDMKGG 206
/ DB      181 DAEDKCEMMITTENGIPSDPLDMKGG 206

RESULT 12
aaw29670
/ TOIG of: aaw29670 check: 7368 from: 1 to: 222
/ ID      AAW29670 standard; protein; 222 AA.
/ AC      AAW29670;
/ XX
/ DT      09-NOV-1998 (first entry)
/ DE      Homo sapiens clone AM42_3 secreted protein.
/ KM      Clone; secreted protein.
/ XX
/ OS      Homo sapiens.

```

```

/ XX      Key      Location/Qualifiers
/ FH      Peptide      2..14
/ FT      /note= "signal peptide"
/ XX      WO9832853-A2.
/ PN
/ XX      30-JUL-1998.
/ PD
/ XX      23-JAN-1998; 98WO-US001396.
/ EP
/ XX      24-JAN-1997; 97US-00788789.
/ PR
/ XX      (GENY ) GENETICS INST INC.
/ PA
/ XX      Jacobs K, Mccoy JM, Lavallic ER, Racie LA, Merberg D, Treacy M,
/ PI      Spaulding V, Agostino MJ;
/ XX      WPI; 1998-427949/36.
/ DR      N-PSDB; AAV40540.
/ XX
/ PT      New isolated polynucleotide(s) and secreted proteins - isolated from
/ PT      human foetal kidney, adult brain, adult salivary gland, foetal brain and
/ PT      adult testes cDNA libraries.
/ XX
/ PS      Claim 15; Page 65-66; 109pp; English.
/ CC      The sequence is that of a secreted protein. Such a protein can have
/ CC      biological activities, e.g. nutritional activity, cytokine and cell
/ CC      proliferation/differentiation activity, immune stimulating or suppressing
/ CC      activity, haematopoiesis regulating activity, tissue growth activity,
/ CC      activin/inhibin activity, chemotactic/chemokinetic activity, haemostatic
/ CC      and thrombolytic activity, receptor/ligand activity, anti-inflammatory
/ CC      activity, cadherin/tumour invasion suppressor activity, tumour inhibition
/ CC      activity, and other activities
/ CC
/ XX      SQ
/ SQ      Sequence 222 AA;
/ AAW29670 Length: 222 August 24, 2005 15:16 Type: P Check: 7368 ..
aaw29670

Query Match      97.1%; Score 1070; DB 1; Length 222;
Best Local Similarity 99.5%; Pred. No. 0;
Matches 205; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

/ QY      1 MMLLFFLVTAIHAELCQGAENAFKVRISIRLTALGDKAYAWDTNEEYLFKAMVAFSMRK 60
/ DB      1 MMLLFFLVTAIHAELCQGAENAFKVRISIRLTALGDKAYAWDTNEEYLFKAMVAFSMRK 60
/ QY      61 VVPRREATEISHVLNCVTVQSVFVFVTVDPSSKHHTLPAVEVOSAIRMNKRIINNAFFVND 120
/ DB      61 VVPRREATEISHVLNCVTVQSVFVFVTVDPSSKHHTLPAVEVOSAIRMNKRIINNAFFVND 120
/ QY      121 QTELEFLKIPSTLAPMPDPSVPIMIIIFGVIFCIITVAIALLLISGIWQRRRKKEPSEVD 180
/ DB      121 QTELEFLKIPSTLAPMPDPSVPIMIIIFGVIFCIITVAIALLLISGIWQRRRKKEPSEVD 180
/ QY      181 DAEDKCEMMITTENGIPSDPLDMKGG 206
/ DB      181 DAEDKCEMMITTENGIPSDPLDMKGG 206

RESULT 13
adel11757
/ TOIG of: adel11757 check: 7448 from: 1 to: 222
/ ID      ADE11757 standard; protein; 222 AA.
/ AC      ADE11757;
/ XX
/ DT      29-JAN-2004 (first entry)
/ DE      Human secreted polypeptide #12.

```



XX Secreted protein; cancer; liver disorder; hepatitis; neural disorder;  
KW Alzheimer's disease; human.  
XX  
OS Synthetic.  
XX Homo sapiens.  
PN US2003100051-A1.  
XX  
PD 29-MAY-2003.  
XX  
PF 10-SEP-2001; 2001US-00948783.  
XX  
PR 12-MAY-1998; 98US-0085093P.  
PR 12-MAY-1998; 98US-0085094P.  
PR 12-MAY-1998; 98US-0085105P.  
PR 12-MAY-1998; 98US-0085180P.  
PR 18-MAY-1998; 98US-0085906P.  
PR 18-MAY-1998; 98US-0085920P.  
PR 18-MAY-1998; 98US-0085921P.  
PR 18-MAY-1998; 98US-0085922P.  
PR 18-MAY-1998; 98US-0085923P.  
PR 18-MAY-1998; 98US-0085924P.  
PR 18-MAY-1998; 98US-0085925P.  
PR 18-MAY-1998; 98US-0085927P.  
PR 18-MAY-1998; 98US-0085928P.  
PR 06-MAY-1999; 99WO-US009847.  
PR 10-NOV-1999; 99US-00437658.  
PR 11-SEP-2000; 2000US-0231846P.  
PR 28-JUN-2001; 2001US-00892877.  
XX  
PA (RUBE/) RUBEN S M.  
PA (FLOR/) FLORENCE K A.  
PA (NIJ/) NI J.  
PA (ROSE/) ROSEN C A.  
PA (CART/) CARTER K C.  
PA (MOOR/) MOORE P A.  
PA (OLSE/) OLSEN H S.  
PA (SHIY/) SHI Y.  
PA (YOUN/) YOUNG P E.  
PA (WEIY/) WEI Y.  
PA (BREM/) BREMER L A.  
PA (SOPE/) SOPPET D R.  
PA (LAFLE/) LAFLEUR D W.  
PA (ENDR/) ENDRESS G A.  
PA (EBNE/) EBNER R.  
PA (BIRS/) BIRSE C E.  
PI Ruben SM, Florence KA, Ni J, Rosen CA, Carter KC, Moore PA;  
PI Olsen HS, Shi Y, Young PE, Wei Y, Bremer LA, Soppet DR, Lafleur DW;  
PI Endress GA, Ebner R, Birse CE;  
XX  
XX WPI; 2003-801210/75.  
XX  
XX New nucleic acid molecule, useful for preparing a medicament for  
XX preventing, treating or ameliorating a medical condition e.g. cancer,  
XX liver disorders or neural disorders.  
XX  
XX Claim 1; SEQ ID NO 129; 453bp; English.  
XX  
XX The invention relates to human secreted polypeptides and the  
XX polynucleotides encoding them. The sequences are useful for preparing  
XX medicaments for preventing, treating or ameliorating medical conditions  
XX e.g., cancer, liver disorders such as hepatitis or neural disorders such  
XX as Alzheimer's disease. This sequence represents a human secreted  
XX polypeptide of the invention.  
XX  
XX Sequence 222 AA:  
XX  
XX ADE11757 Length: 222 August 24, 2005 15:16 Type: P Check: 7448 ..  
XX ADE11757

Best Local Similarity 99.5%; Pred. No. 0;  
Matches 205; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 1 MMLLPFLVTAIAELCQPAENAFKVRISIRFALGDKAYAMPTNEEYLFKAVAFSMRK 60  
Db 1 MMLLPFLVTAIAHAELCQPAENAFKVRISIRFALGDKAYAMPTNEEYLFKAVAFSMRK 60  
QY 61 VPMREATEISHVLLCNYTORVSFWFVTPDPSKNHTLPAVEVQSAIRNNKRIINNAFPLND 120  
Db 61 VPMREATEISHVLLCNYTORVSFWFVTPDPSKNHTLPAVEVQSAIRNNKRIINNAFPLNX 120  
QY 121 QTEFLKIPSTLAPMDPSVPIWIIIFGVIFCIIVAAIALLLISGIMORRRKKEPSEVD 180  
Db 121 QTEFLKIPSTLAPMDPSVPIWIIIFGVIFCIIVAAIALLLISGIMORRRKKEPSEVD 180  
QY 181 DAEDKCEMTTENGIPSPDLMKGG 206  
Db 181 DAEDKCEMTTENGIPSPDLMKGG 206  
RESULT 14  
ADE11757  
TOIG of: ADE11757 check: 7448 from: 1 to: 222  
ID ADE11757 standard; protein; 222 AA.  
AC ADE11757;  
XX  
DT 29-JAN-2004 (first entry)  
XX  
XX Human secreted polypeptide #12.  
XX  
XX Secreted protein; cancer; liver disorder; hepatitis; neural disorder;  
KW Alzheimer's disease; human.  
XX  
XX Synthetic.  
OS Homo sapiens.  
XX  
PN US2003100051-A1.  
XX  
XX 29-MAY-2003.  
XX  
PF 10-SEP-2001; 2001US-00948783.  
XX  
XX 12-MAY-1998; 98US-0085093P.  
PR 12-MAY-1998; 98US-0085094P.  
PR 12-MAY-1998; 98US-0085105P.  
PR 12-MAY-1998; 98US-0085180P.  
PR 18-MAY-1998; 98US-0085906P.  
PR 18-MAY-1998; 98US-0085920P.  
PR 18-MAY-1998; 98US-0085921P.  
PR 18-MAY-1998; 98US-0085922P.  
PR 18-MAY-1998; 98US-0085923P.  
PR 18-MAY-1998; 98US-0085924P.  
PR 18-MAY-1998; 98US-0085925P.  
PR 18-MAY-1998; 98US-0085927P.  
PR 18-MAY-1998; 98US-0085928P.  
PR 06-MAY-1999; 99WO-US009847.  
PR 10-NOV-1999; 99US-00437658.  
PR 11-SEP-2000; 2000US-0231846P.  
PR 28-JUN-2001; 2001US-00892877.  
XX  
XX (RUBE/) RUBEN S M.  
PA (FLOR/) FLORENCE K A.  
PA (NIJ/) NI J.  
PA (ROSE/) ROSEN C A.  
PA (CART/) CARTER K C.  
PA (MOOR/) MOORE P A.  
PA (OLSE/) OLSEN H S.  
PA (SHIY/) SHI Y.  
PA (YOUN/) YOUNG P E.  
PA (WEIY/) WEI Y.  
PA (BREM/) BREMER L A.

Query Match 96.7%, Score 1066, DB 1, Length 222.

```

; PA (SOPP/) SOPPOT D R.
; PA (LAFLEU/) LAFLEUR D W.
; PA (ENDR/) ENDRESS G A.
; PA (EBNER/) EBNER R.
; PA (BIRSE/) BIRSE C E.
; XX
; PI Ruben SM, Florence KA, Ni J, Rosen CA, Carter KC, Moore PA;
; PI Olsen HS, Shi Y, Young PE, Wei F, Brewer LA, Soppot DR, Lafleur DW;
; PI Endress GA, Ebner R, Birse CE;
; XX
; DR WPI, 2003-801210/75.
; XX
; PT New nucleic acid molecule, useful for preparing a medicament for
; PT preventing, treating or ameliorating a medical condition e.g. cancer,
; PT liver disorders or neural disorders.
; XX
; PS Claim 11; SEQ ID NO 129; 453bp; English.
; XX
; CC The invention relates to human secreted polypeptides and the
; CC polynucleotides encoding them. The sequences are useful for preparing
; CC medicaments for preventing, treating or ameliorating medical conditions
; CC e.g. cancer, liver disorders such as hepatitis or neural disorders such
; CC as Alzheimer's disease. This sequence represents a human secreted
; CC polypeptide of the invention.
; XX
; SQ Sequence 222 AA;
;
; ADEL1757 Length: 222 August 24, 2005 15:16 Type: P Check: 7448 ..
; adel1757

```

```

Query Match          96.7%; Score 1066; DB 1; Length 222;
Best Local Similarity 99.5%; Pred. No. 0;
Matches 205; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

```

QY 1 MMLLFFLVTALHAELCOPGAENAFKRLSIRTRALGKAYAMDTNEEYLFKAMVAFSMRK 60
DB 1 MMLLFFLVTALHAELCOPGAENAFKRLSIRTRALGKAYAMDTNEEYLFKAMVAFSMRK 60
QY 61 VPRREATEISHVLLCNVTVGVSFVFWVTDPSKNHTLPAVEVOSAIRMKNRINNAFFLND 120
DB 61 VPRREATEISHVLLCNVTVGVSFVFWVTDPSKNHTLPAVEVOSAIRMKNRINNAFFLNX 120
QY 121 QTLEFLKIPSTLAPPMDSVPVPIWIIIFGVIFCIIVAIALLISGIWQRRRNKKEPSEVD 180
DB 121 QTLEFLKIPSTLAPPMDSVPVPIWIIIFGVIFCIIVAIALLISGIWQRRRNKKEPSEVD 180
QY 181 DAEDKCNMTTENGISDPLDMKGG 206
DB 181 DAEDKCNMTTENGISDPLDMKGG 206

```

```

RESULT 15
aay76135
; TOIG of: aay76135 check: 2024 from: 1 to: 223

```

```

; ID AAY76135 standard; protein; 223 AA.
; AC AAY76135;
; DT 23-MAR-2000 (first entry)
; XX
; DE Human secreted protein encoded by gene 12.
; XX
; KW Human; secreted protein; cancer; tumor; developmental abnormality;
; KW foetal deficiency; blood disorder; immune system disorder; inflammation;
; KW autoimmune disease; allergy; Alzheimer's disease; cognitive disorder;
; KW schizophrenia; arthritis; asthma; psoriasis; sepsis; skin disorder;
; KW atherosclerosis; diabetes; cardiovascular disorder; kidney disorder;
; KW digestive disorder; endocrine disorder; infection; AIDS; leukaemia;
; KW therapy.
; XX
; OS Homo sapiens.
; XX

```

```

; PN W09958660-A1.
; XX
; PD 18-NOV-1999.
; XX
; PF 06-MAY-1999; 99WC-US009947.
; XX
; PR 12-MAY-1998; 98US-0085093P.
; PR 12-MAY-1998; 98US-0085094P.
; PR 12-MAY-1998; 98US-0085105P.
; PR 12-MAY-1998; 98US-0085180P.
; PR 18-MAY-1998; 98US-0085906P.
; PR 18-MAY-1998; 98US-0085920P.
; PR 18-MAY-1998; 98US-0085921P.
; PR 18-MAY-1998; 98US-0085922P.
; PR 18-MAY-1998; 98US-0085923P.
; PR 18-MAY-1998; 98US-0085924P.
; PR 18-MAY-1998; 98US-0085925P.
; PR 18-MAY-1998; 98US-0085927P.
; PR 18-MAY-1998; 98US-0085928P.
; XX
; PA (HUMA-) HUMAN GENOME SCI INC.
; XX
; PI Ruben SM, Florence K, Ni J, Rosen CA, Carter KC, Moore PA;
; PI Olsen HS, Shi Y, Young PE, Wei F, Brewer LA, Soppot DR, Lafleur DW;
; PI Endress GA, Ebner R;
; XX
; DR WPI, 2000-062296/05.
; DR N-PSDB; AA265261.
; XX

```

```

; PT New isolated human genes and the secreted polypeptides they encode,
; PT useful for diagnosis and treatment of e.g. cancers, neurological
; PT disorders, immune diseases, inflammation or blood disorders.
; XX
; PS Claim 11; Page 365-366; 475bp; English.

```

```

; XX AA265250 to AA265350 represent 97 isolated human secreted protein genes.
; CC AA265250 to AA265350 represent the secreted proteins encoded by the 97
; CC human genes. The genes and their corresponding secreted polypeptides are
; CC useful for preventing, treating or ameliorating medical conditions, e.g.
; CC by protein or gene therapy. Also pathological conditions can be diagnosed
; CC by determining the amount of the new polypeptides in a sample or by
; CC determining the presence of mutations in the new genes. Specific uses are
; CC described for each of the 97 genes, based on which tissues they are most
; CC highly expressed in, and include developing products for the diagnosis or
; CC treatment of cancer, tumors, developmental abnormalities and foetal
; CC deficiencies, blood disorders, diseases of the immune system, autoimmune
; CC diseases, inflammation, allergies, Alzheimer's and cognitive disorders,
; CC schizophrenia, arthritis, asthma, psoriasis, sepsis, skin disorders,
; CC atherosclerosis, diabetes, cardiovascular disorders, kidney disorders,
; CC digestive/endocrine disorders, infections and AIDS. The polypeptides are
; CC also useful for identifying their binding partners. The sequences shown
; CC in AAY76224 to AAY76424 represent fragments of the secreted proteins
; XX
; SQ Sequence 223 AA;
;
; AAY76135 Length: 223 August 24, 2005 15:16 Type: P Check: 2024 ..
; aay76135

```

```

Query Match          96.7%; Score 1066; DB 1; Length 223;
Best Local Similarity 99.5%; Pred. No. 0;
Matches 205; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

```

QY 1 MMLLFFLVTALHAELCOPGAENAFKRLSIRTRALGKAYAMDTNEEYLFKAMVAFSMRK 60
DB 1 MMLLFFLVTALHAELCOPGAENAFKRLSIRTRALGKAYAMDTNEEYLFKAMVAFSMRK 60
QY 61 VPRREATEISHVLLCNVTVGVSFVFWVTDPSKNHTLPAVEVOSAIRMKNRINNAFFLND 120
DB 61 VPRREATEISHVLLCNVTVGVSFVFWVTDPSKNHTLPAVEVOSAIRMKNRINNAFFLNX 120
QY 121 QTLEFLKIPSTLAPPMDSVPVPIWIIIFGVIFCIIVAIALLISGIWQRRRNKKEPSEVD 180
DB 121 QTLEFLKIPSTLAPPMDSVPVPIWIIIFGVIFCIIVAIALLISGIWQRRRNKKEPSEVD 180

```

OY 181 DAEDKCNMTIENGIPSDPLDMKGG 206  
 DB 181 DAEDKCNMTIENGIPSDPLDMKGG 206  
 RESULT 16  
 aay76135  
 ; TOIG of: aay76135 check: 2024 from: 1 to: 223  
 ; ID AAY76135 standard; protein; 223 AA.  
 ; AC AAY76135;  
 ; XX  
 ; DT 23-MAR-2000 (first entry)  
 ; XX  
 ; DE Human secreted protein encoded by gene 12.  
 ; XX  
 ; KW Human; secreted protein; cancer; tumour; developmental abnormality;  
 ; KW foetal deficiency; blood disorder; immune system disorder; inflammation;  
 ; KW autoimmune disease; allergy; Alzheimer's disease; cognitive disorder;  
 ; KW schizophrenia; arthritis; asthma; psoriasis; sepsis; skin disorder;  
 ; KW atherosclerosis; diabetes; cardiovascular disorder; kidney disorder;  
 ; KW digestive disorder; endocrine disorder; infection; AIDS; leukaemia;  
 ; KW therapy.  
 ; XX  
 ; OS Homo sapiens.  
 ; XX  
 ; PN WO9598660-A1.  
 ; XX  
 ; PD 18-NOV-1999.  
 ; XX  
 ; PF 06-MAY-1999; 99WO-US009847.  
 ; XX  
 ; PR 12-MAY-1998; 98US-0085093P.  
 ; PR 12-MAY-1998; 98US-0085094P.  
 ; PR 12-MAY-1998; 98US-0085105P.  
 ; PR 12-MAY-1998; 98US-0085180P.  
 ; PR 18-MAY-1998; 98US-0085906P.  
 ; PR 18-MAY-1998; 98US-0085920P.  
 ; PR 18-MAY-1998; 98US-0085921P.  
 ; PR 18-MAY-1998; 98US-0085922P.  
 ; PR 18-MAY-1998; 98US-0085923P.  
 ; PR 18-MAY-1998; 98US-0085924P.  
 ; PR 18-MAY-1998; 98US-0085925P.  
 ; PR 18-MAY-1998; 98US-0085927P.  
 ; PR 18-MAY-1998; 98US-0085928P.  
 ; XX  
 ; PA (HUMA-) HUMAN GENOME SCI INC.  
 ; XX  
 ; PI Ruben SM, Florence K, Ni J, Rosen CA, Carter KC, Moore PA;  
 ; PI Olsen HS, Shi Y, Young PE, Wei F, Brewer LA, Soppet DR, Lafleur DW;  
 ; PI Endress GA, Ebner R;  
 ; XX  
 ; DR N-PSDB; AA65261.  
 ; XX  
 ; PT WPI: 2000-062296/05.  
 ; PT New isolated human genes and the secreted polypeptides they encode,  
 ; PT useful for diagnosis and treatment of e.g. cancers, neurological  
 ; PT disorders, immune diseases, inflammation or blood disorders.  
 ; XX  
 ; PS Claim 11; Page 365-366; 475pp; English.  
 ; XX  
 ; AA AAG65250 to AAG65350 represent 97 isolated human secreted protein genes.  
 ; CC AAY6164 to AAY76223 represent the secreted proteins encoded by the 97  
 ; CC human genes. The genes and their corresponding secreted polypeptides are  
 ; CC useful for preventing, treating or ameliorating medical conditions, e.g.  
 ; CC by protein or gene therapy. Also pathological conditions can be diagnosed  
 ; CC by determining the amount of the new polypeptides in a sample or by  
 ; CC determining the presence of mutations in the new genes. Specific uses are  
 ; CC described for each of the 97 genes, based on which tissues they are most  
 ; CC highly expressed in, and include developing products for the diagnosis or  
 ; CC treatment of cancer, tumours, developmental abnormalities and foetal

; CC deficiencies, blood disorders, diseases of the immune system, autoimmune  
 ; CC diseases, inflammation, allergies, Alzheimer's and cognitive disorders,  
 ; CC schizophrenia, arthritis, asthma, psoriasis, sepsis, skin disorders,  
 ; CC atherosclerosis, diabetes, cardiovascular disorders, kidney disorders,  
 ; CC digestive/endocrine disorders, infections and AIDS. The polypeptides are  
 ; CC also useful for identifying their binding partners. The sequences shown  
 ; CC in AAY6224 to AAY76424 represent fragments of the secreted proteins  
 ; XX  
 ; SQ Sequence 223 AA;  
 ; ; AAY76135 Length: 223 August 24, 2005 15:16 Type: P Check: 2024 ..  
 ; aay76135  
 Query Match 96.7%; Score 1066; DB 1; Length 223;  
 Best Local Similarity 99.5%; Pred. No. 0;  
 Matches 205; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 OY 1 MLMLFPLVTAIHAEIQGAEANAFKVRSLIRALDGDKAYAMDTEBYLFKAMVAFGRK 60  
 DB 1 MLMLFPLVTAIHAEIQGAEANAFKVRSLIRALDGDKAYAMDTEBYLFKAMVAFGRK 60  
 OY 61 VPRREATEISHVLICNVTVQVSWFVYTTDPSKXHTLPAYVQSAIRKKRINNAFPLND 120  
 DB 61 VPRREATEISHVLICNVTVQVSWFVYTTDPSKXHTLPAYVQSAIRKKRINNAFPLNX 120  
 OY 121 QTLBFLKIPSTLAPMPDPSVPIWIIIFGVIFCIIVAIALLIISGIMQRRKKKEPEVD 180  
 DB 121 QTLBFLKIPSTLAPMPDPSVPIWIIIFGVIFCIIVAIALLIISGIMQRRKKKEPEVD 180  
 OY 181 DAEDKCNMTIENGIPSDPLDMKGG 206  
 DB 181 DAEDKCNMTIENGIPSDPLDMKGG 206  
 RESULT 17  
 aay04156  
 ; TOIG of: aay04156 check: 8448 from: 1 to: 222  
 ; ID AAY04156 standard; protein; 222 AA.  
 ; XX  
 ; AC AAY04156;  
 ; XX  
 ; DT 16-JUN-1999 (first entry)  
 ; XX  
 ; DE Human 5' EST secreted protein SEQ ID NO:27.  
 ; XX  
 ; KW Human; secreted protein; EST; expressed sequence tag; diagnosis;  
 ; KW forensic; gene therapy; chromosome mapping; signal peptide;  
 ; KW upstream regulatory sequence; cytokine activity; cell proliferation;  
 ; KW differentiation; haematopoiesis regulation; tissue growth regulation;  
 ; KW reproductive hormone regulation; chemotactic; chemokinetic; haemostatic;  
 ; KW chromolytic; anti-inflammatory; tumour inhibition.  
 ; XX  
 ; OS Homo sapiens.  
 ; XX  
 ; PN WO9906439-A2.  
 ; XX  
 ; PD 11-FEB-1999.  
 ; PD  
 ; PF 31-JUL-1998; 98WO-IB001233.  
 ; XX  
 ; PR 01-AUG-1997; 97US-00904468.  
 ; XX  
 ; PA (GENST ) GENSET.  
 ; XX  
 ; PI Dumas Milne Edwards J, Duclert A, Lacroix B;  
 ; XX  
 ; DR N-PSDB; AAX19983.  
 ; XX  
 ; PT WPI: 1999-153700/13.  
 ; PT New nucleic acids encoding human secreted proteins - obtained from cDNA  
 ; PT libraries derived from liver, lung, large intestine, colon, thyroid and  
 ; PT pancreas tissue.

```

; XX      Example 28; Page 157-158; 398pp; English.
; PS
; XX
; CC      AAX40251 to AAX40397 represent 5' expressed sequence tags (ESTs) for
; CC      human secreted proteins, and encode the proteins given in AY11533 to
; CC      AY11679, respectively. The proteins given represent the signal peptide
; CC      and an N-terminal fragment of a secreted protein. The nucleic acid
; CC      sequences can be used for producing secreted human gene products. They
; CC      can also be used to develop products for diagnosis and therapy. The
; CC      proteins obtained may have cytokine activity, cell
; CC      proliferation/differentiation activity, haematopoiesis regulating
; CC      activity, tissue growth regulating activity, reproductive hormone
; CC      regulating activity, chemotactic/chemokinetic activity, haemostatic and
; CC      thrombolytic activity, receptor/ligand activity, anti-inflammatory
; CC      activity, tumour inhibition activity or other activities. The products
; CC      can be used in forensic, gene therapy and chromosome mapping procedures.
; CC      The sequences can also be used for obtaining corresponding promoter
; CC      sequences. The nucleic acids encoding the signal peptide can be used for
; CC      directing extracellular secretion of a polypeptide or the insertion of a
; CC      polypeptide into a membrane, or importing a polypeptide into a cell. The
; CC      present sequence represents the protein from a 5' EST from an example of
; CC      the present invention
; XX
; SQ      Sequence 222 AA;
;
; AY04156 Length: 222 August 24, 2005 15:17 Type: P Check: 8448 ..
aay04156
Query Match      95.1%; Score 1048; DB 1; Length 222;
Best Local Similarity 98.1%; Pred. No. 0;
Matches 202; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
;
QY      1 MMLLFFLVTAIHAELICPGAENAFKVRISIRFALGDKAYADTNEEYLFKAMVAFSMRK 60
DB      1 MMLLFFLVTAIHAELICPGAENAFKVRISIRFALGDKAYADTNEEYLFKAMVAFSMRK 60
;
QY      61 VPRREATEISHVLLCNVTVQSVFVTVDPDSKNHTLPAVEVQSALRMNNKRIINNAFFLND 120
DB      61 VPRREATEISHVLLCNVTVQSVFVTVDPDSKNHTLPAVEVQSALRMNNKRIINNAFFLND 120
;
QY      121 QTLEFLKIPSTLAPMPDPSVPIMIIIFGVIFCIIVAIALLISGIWQRRRKKEPSEVD 180
DB      121 QTLEFLKIPSTLAPMPDPSVPIMIIIFGVIFCIIVAIALLISGIWQRRRKKEPSEVD 180
;
QY      181 DAEDKCEMNTTENGIPSDPLDMKGG 206
DB      181 DAEDKCEMNTTENGIPSDPLDMKGG 206
;
RESULT 18
aay04156
; TOIG of: aay04156 check: 8448 from: 1 to: 222
;
; ID      AAY04156 standard; protein; 222 AA.
; XX
; AC      AAY04156;
; XX
; DT      16-JUN-1999 (first entry)
; XX
; DE      Human 5' EST secreted protein SEQ ID NO:27.
; XX
; KW      Human; secreted protein; EST; expressed sequence tag; diagnosis;
; KW      forensic; gene therapy; chromosome mapping; signal peptide;
; KW      upstream regulatory sequence; cytokine activity; cell proliferation;
; KW      differentiation; haematopoiesis regulation; tissue growth regulation;
; KW      reproductive hormone regulation; chemotactic; chemokinetic; haemostatic;
; KW      thrombolytic; anti-inflammatory; tumour inhibition.
; XX
; OS      Homo sapiens.
; XX
; PN      W09906439-A2.
; XX
; PD      11-FEB-1999.

```

```

; XX      Example 28; Page 157-158; 398pp; English.
; PS
; XX
; ER      31-JUN-1998; 98WO-IB001233.
; XX
; ER      01-AUG-1997; 97US-00904468.
; XX
; PA      (GBST ) GENSET.
; XX
; PI      Dumas Milne Edwards J, Duclert A, Lacroix B;
; XX      WPI, 1999-153700/13.
; DR      N-PSDB; AAX19983.
; XX
; PT      New nucleic acids encoding human secreted proteins - obtained from cDNA
; PT      libraries derived from liver, lung, large intestine, colon, thyroid and
; PT      pancreas tissue.
; XX
; PS      Example 28; Page 157-158; 398pp; English.
; XX
; CC      AAX40251 to AAX40397 represent 5' expressed sequence tags (ESTs) for
; CC      human secreted proteins, and encode the proteins given in AY11533 to
; CC      AY11679, respectively. The proteins given represent the signal peptide
; CC      and an N-terminal fragment of a secreted protein. The nucleic acid
; CC      sequences can be used for producing secreted human gene products. They
; CC      can also be used to develop products for diagnosis and therapy. The
; CC      proteins obtained may have cytokine activity, cell
; CC      proliferation/differentiation activity, haematopoiesis regulating
; CC      activity, tissue growth regulating activity, reproductive hormone
; CC      regulating activity, chemotactic/chemokinetic activity, haemostatic and
; CC      thrombolytic activity, receptor/ligand activity, anti-inflammatory
; CC      activity, tumour inhibition activity or other activities. The products
; CC      can be used in forensic, gene therapy and chromosome mapping procedures.
; CC      The sequences can also be used for obtaining corresponding promoter
; CC      sequences. The nucleic acids encoding the signal peptide can be used for
; CC      directing extracellular secretion of a polypeptide or the insertion of a
; CC      polypeptide into a membrane, or importing a polypeptide into a cell. The
; CC      present sequence represents the protein from a 5' EST from an example of
; CC      the present invention
; XX
; SQ      Sequence 222 AA;
;
; AY04156 Length: 222 August 24, 2005 15:17 Type: P Check: 8448 ..
aay04156
Query Match      95.1%; Score 1048; DB 1; Length 222;
Best Local Similarity 98.1%; Pred. No. 0;
Matches 202; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
;
QY      1 MMLLFFLVTAIHAELICPGAENAFKVRISIRFALGDKAYADTNEEYLFKAMVAFSMRK 60
DB      1 MMLLFFLVTAIHAELICPGAENAFKVRISIRFALGDKAYADTNEEYLFKAMVAFSMRK 60
;
QY      61 VPRREATEISHVLLCNVTVQSVFVTVDPDSKNHTLPAVEVQSALRMNNKRIINNAFFLND 120
DB      61 VPRREATEISHVLLCNVTVQSVFVTVDPDSKNHTLPAVEVQSALRMNNKRIINNAFFLND 120
;
QY      121 QTLEFLKIPSTLAPMPDPSVPIMIIIFGVIFCIIVAIALLISGIWQRRRKKEPSEVD 180
DB      121 QTLEFLKIPSTLAPMPDPSVPIMIIIFGVIFCIIVAIALLISGIWQRRRKKEPSEVD 180
;
QY      181 DAEDKCEMNTTENGIPSDPLDMKGG 206
DB      181 DAEDKCEMNTTENGIPSDPLDMKGG 206
;
RESULT 19
aab88580
; TOIG of: aab88580 check: 9351 from: 1 to: 148
;
; GB:M93437 cytochrome c-552; CyCA; hemeprotein (Thermus thermophilus)
; (ver 1)
; AAB88580 Length: 148 August 24, 2005 15:14 Type: P Check: 9351 ..
aab88580

```

Query Match 2.9%; Score 31.5; DB 1; Length 148;  
Best Local Similarity 28.9%; Pred. No. 0;  
Matches 11; Conservative 6; Mismatches 20; Indels 1; Gaps 1;

QY 31 IRTALGDKAYAM-DTNEEYLFKAMVAFSMRKVPNREAT 67  
| | | | | : | | | : | : | : |  
97 IAAVLNHIATAMGDACKVKGFKPTAESEVKLRAKKLT 134

## RESULT 20

aab88580  
; TOIG of: aab88580 check: 9351 from: 1 to: 148

; AAB88580 GB:M93437 cytochrome c-552; Cyca; hemeprotein [Thermus thermophilus]  
; (ver 1)

; AAB88580 Length: 148 August 24, 2005 15:14 Type: P Check: 9351 ..  
aab88580

Query Match 2.9%; Score 31.5; DB 1; Length 148;  
Best Local Similarity 28.9%; Pred. No. 0;  
Matches 11; Conservative 6; Mismatches 20; Indels 1; Gaps 1;

QY 31 IRTALGDKAYAM-DTNEEYLFKAMVAFSMRKVPNREAT 67  
| | | | | : | | | : | : | : |  
97 IAAVLNHIATAMGDACKVKGFKPTAESEVKLRAKKLT 134

Search completed: August 24, 2005, 15:27:56  
Job time : 0.001 secs

**This Page Blank (uspto)**